A Big Earth Data Platform for Three Poles

**Spatial distribution of measured salinity of lakes on TP**

1、Description

Lake salinity is an important parameter of lake water environment, an important embodiment of water resources, and an important part of climate change research. This data is based on the measured salinity data of lakes in the Qinghai Tibet Plateau. The salinity is characterized by the practical salinity unit (PSU), which is converted from the specific conductivity (SPC) measured by the conductivity sensor. ArcGIS software was used to convert the measured data into space vector format. SHP format, and the measured salinity spatial distribution data file was obtained. The data can be used as the basic data of lake environment, hydrology, water ecology, water resources and other related research reference.

2、Keywords

Theme：Salinity,Surface Water,Water Resources,Water Quality/Water Chemistry,Surface water chemistry  
Discipline：Terrestrial Surface,Human-nature Relationship  
Places：Tibet Plateau  
Time：2009-2020, recent 10 years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0 | - |
| west：78.0 | - | east：93.0 |
| - | south：28.0 | - |

5、Time frame:2008-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

ZHU Liping. Spatial distribution of measured salinity of lakes on TP. A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2714592021

References to articles:

Liu, C., Zhu, L.P., Wang, J.B., Ju, J.T., Ma, Q.F., Qiao, B.J., Wang, Y., Xu, T., Chen, H., Kou, Q.Q., Zhang, R., & Kai, J.L. (2021). In-situ water quality investigation of the lakes on the Tibetan Plateau,Science Bulletin, ISSN 2095-9273,https://doi.org/10.1016/j.scib.2021.04.024.

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）  
Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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